1900.

SOUTHWICK-ON-WEAR

Urban District Council.

ANNUAL REPORT

ON THE

Health & Sanitary Condition of Southwick

BY

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SOUTHWICK-ON-WEAR:

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REPORT.

To the Chairman and Members of the Southwick-on-Wear Urban District Council.

GENTLEMEN,

In accordance with the regulations of the Local Government Board, I beg to submit to you my report on your district for the year 1900.

POPULATION.

The population as estimated to the middle of 1900 was 12,700 and this forms the basis of calculations for the year.

BIRTHS.

The number of births registered during the year was 522, which is an increase of 10 as compared with the number for 1899, and represents a birth-rate of 41·1 per thousand per annum. 274 were males and 278 females. The birth-rate in the administrative County of Durham was 35·0 per thousand.

Table showing Birth-rate for the past Five Years.

Year.	Males.	Females.	Total.	Birth Rate.
1896	225	222	447	38·7
1897	244	202	446	37·7
1898	269	219	488	40·3
1899	252	260	512	41·3
1900	274	248	522	41·1

DEATHS.

During the year the number of deaths registered was 269. This is equivalent to a death-rate of 21·1 per thousand per annum. The number of deaths of residents registered beyond the district was 15 and the corrected death-rate amounts to 22·2. The death-rate for the administrative County was 18·6.

In the following table is recorded the monthly death-rate for 1900 —

Month.	M.	F.	Death Rate.	Month.	M.	F.	Death Rate.
January	10	11	19·4	Bt. forward July	68 7	63 6	12·04
February	10	16	26·6	August	10	9	17·6
March	15	5	18·5	September	12	12	22·9
April	9	11	19·1	October	9	12	19·4
May	13	10	21·3	November	16	20	34·4
June	11	10	20·1	December	17	8	23·1
Car. fwd.	68	63			139	130	

TOTAL 269

Table showing Death-rate for the past Five Years.

Year.	Deaths.	Rate.
1896	222	19·2
1897	225	19·0
1898	323	26·5
1899	253	20·4
1900	269	21·1

The following table shows age at death :—

Under 1 year.....	85	142
1 year and under 5 years.....	57	
5 years ,, 15 ,, ...	23	127
15 ,, ,, 25 ,, ...	9	
25 ,, ,, 65 ,, ...	65	
66 ,, and upwards	30	

Between the ages of 5 and 65 there were 97 deaths—the adult mortality—an increase of 11 compared with the previous year The old age mortality—deaths over the age of 65 was 30, which is 4 more than the number for 1899.

Adult Mortality.

Ages between 5 and 65 years.

	Number of Deaths.	Rate.
1896.....	72	6·2
1897.....	84	7·1
1898.....	78	6·4
1899.....	86	6·9
1900.....	97	7·6

Old Age Mortality.

Age over 65 years.

	Number of Deaths.	Rate.
1896	24	2·0
1897	23	1·9
1898	29	2·3
1899	26	2·09
1900	30	2·3

The number of deaths among children under five for the past 5 years is shown in the following table :—

Year.	Under 1 year.	1 year and under 5 years.	Total.
1896	86	40	126
1897	76	42	118
1898	108	93	201
1899	103	38	141
1900	85	57	142

Infantile Mortality.

The infantile mortality for the past year was 162 per thousand births compared with 201 for 1899. In the administrative County the infantile mortality rate for 1900 was 167 per thousand births.

Table showing infantile mortality for past 5 years :—

Year.		
1896 ...	192	per 1,000 births.
1897 ...	170	,, ,,
1898 ...	221	,, ,,
1899 ...	201	,, ,,
1900 ...	162	,, ,,

The number of deaths registered in the four quarters was as follows :—

1st quarter	67	deaths.....	=	.....21·5	death-rate.
2nd ,,	64	,, ...	=	.....20·1	,,
3rd ,,	56	,, ...	=	.....17·5	,,
4th ,,	82	,, ...	=	.....25·6	,,

	Under 5 years.	Over 5 years.	Total.
1st quarter.....	28	39	67
2nd ,, ...	34	30	64
3rd ,, ...	30	26	56
4th ,, ...	50	32	82

The following table shows the quarterly death rate and the annual death-rate for the past five years :—

Years.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Whole Year.	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
1896	50	17·3	63	21·8	59	20·4	50	17·3	222	19·2
1897	53	17·9	60	20·2	66	22·2	46	14·4	225	19·0
1898	54	17·6	77	25·3	102	33·5	75	24·4	308	25·4
1899	49	15·7	39	12·9	93	30	72	23·2	253	20·4
1900	67	21·5	64	20·1	56	17·5	82	25·6	269	21·1

Zymotic Diseases.

The number of cases of Infectious Diseases notified during the year was 67. They are classified as follows :—

	1st Quarter.	2nd Quarter.	3rd Quarter	4th Quarter.	Total.
Scarlet Fever ...	8	...	10	19	37
Enteric ,, ...	4	6	4	9	23
Continued ,, ...	...	...	...	3	3
Erysipelas.....	...	...	1	1	2
Diphtheria and Croup	1	1	...	...	2
Total.....	13	7	15	32	67

57 houses were involved in the 67 cases.

The number of notifications for the past five years is given below :—

Disease.	1896	1897	1898	1899	1900
Smallpox.....	nil	nil	nil	nil	nil
Scarlet Fever	10	48	63	65	37
Enteric Fever	7	18	60	41	23
Typhus Fever.....	nil	nil	nil	nil	nil
Continued Fever.....	nil	4	3	3	3
Diphtheria	1	2	nil	8	2
Puerperal Fever.....	nil	2	nil	nil	nil

Zymotic Mortality.

The deaths from Zymotic Diseases in the past year were as follows :—

Disease.	Deaths in 1900.
Smallpox	nil
Measles	16
Scarlet Fever	nil
Diphtheria	nil
Whooping Cough	5
Typhus Fever	nil
Enteric Fever	4
Continued Fever	1
Diarrhœa	12
Gastro Enteritis	10
	48

The following table records the number of deaths from Zymotic Diseases during the past five years.

Disease.	1896	1897	1898	1899	1900
Smallpox	nil	nil	nil	nil	nil
Measles	9	7	29	1	16
Scarlet Fever	2	4	6	3	nil
Diphtheria	nil	nil	nil	4	nil
Whooping Cough	9	6	15	2	5
Typhus Fever	nil	nil	nil	nil	nil
Enteric Fever	1	1	6	3	4
Continued Fever	nil	nil	nil	nil	1
Diarrhœa	7	9	17	19	12
Gastro Enteritis	nil	nil	32	23	10
Total Zymotic Deaths	28	27	105	55	48
Deaths from other causes	194	198	203	198	221
Total	222	225	308	253	269

During the year Zymotic Diseases accounted for 48 deaths compared with 55 for 1899, and the death-rate from Zymotic Diseases was 3·7. In 1899 it was 4·4.

The death-rates from Zymotic and general causes for the past five years are as follows:—

Disease.	1896	1897	1898	1899	1900
Smallpox	nil	nil	nil	nil	nil
Measles	·77	·59	2·39	·08	1·26
Scarlet Fever	·17	·33	·49	·24	nil
Diphtheria	nil	nil	nil	·32	nil
Whooping Cough	·77	.5	1·23	·16	·39
Typhus Fever	nil	nil	nil	nil	nil
Continued Fever	nil	nil	nil	nil	·31
Enteric Fever	·08	·08	·49	·24	·08
Diarrhœa	·6	·76	1·40	1·53	·94
Gastro Enteritis	nil	nil	2·64	1.85	·79
Zymotic Rate	2·42	2·28	8·6	4·43	3·77
Rate from other causes	16·7	16·7	16·7	15·98	17·4
General death rate	19·2	19·01	25·4	20·4	21·1

Diseases of the respiratory organs, Bronchitis, Pneumonia, and Pleurisy, caused 45 deaths, as against 37 for 1899. The deaths from Phthisis numbered 31, which is 8 more than in 1899, and there were 10 deaths from Tubercular diseases other than Phitisis.

Cancer caused 5 deaths, and to Marasmus and Atrophy were attributed 4 deaths, 14 to premature birth, and 15 to congenital debility.

(See Chart following page 12.)

INQUESTS.

The number of Inquests held during the year was 9. To accidental injuries 8 deaths were attributed, and 1 to excessive drinking.

HOSPITAL.

During the year 4 cases were treated in the temporary Hospital.

Plans for the Infectious Diseases Hospital have been laid before the County Medical Officer of Health, and are now to be submitted to the Local Government Board.

It is to be regretted that a high death-rate has to be recorded for the year. The greatest mortality occured in the early spring and in the beginning of winter. And its cause in the first case was Influenza and its accompanying ailments of the chest. In the second case an epidemic of measles sufficed to raise the death-rate to the extent of 1·26 per thousand, and again exemplified the deadly character of this disease in Southwick. During the other months of the year there was less than the usual fluctuation observable in the death-rate, which maintained a high average, due however to diseases other than those characterised as preventable.

The number of cases of Infectious Diseases notified was much smaller than those recorded for some years.

Conditions likely to breed disease prevail to a marked extent in Low Southwick, where families are crowded together in tenemented houses. The open midden is the main type of receptacle for refuse. But during the past year much has

been done in substituting ash-closets for the open pit, forty-four of the most objectionable having been reconstructed. The state of the back-streets in Low Southwick is most unsatisfactory. These ought to be maintained in good order, for on them are deposited the contents of the middens, and when the mass is carted away the street remains polluted, and even the use of the hose-pipe would fail to cleanse it. There has been prepared by your Council a long list of streets, numbering 49, which it is proposed to pave. The back-streets in Low Southwick urgently need attention.

Your Health Committee have under consideration a scheme for the erection of a Slaughter House, plans having already been before you.

A plan for a Public Mortuary has been prepared and is now under the consideration of one of your committees.

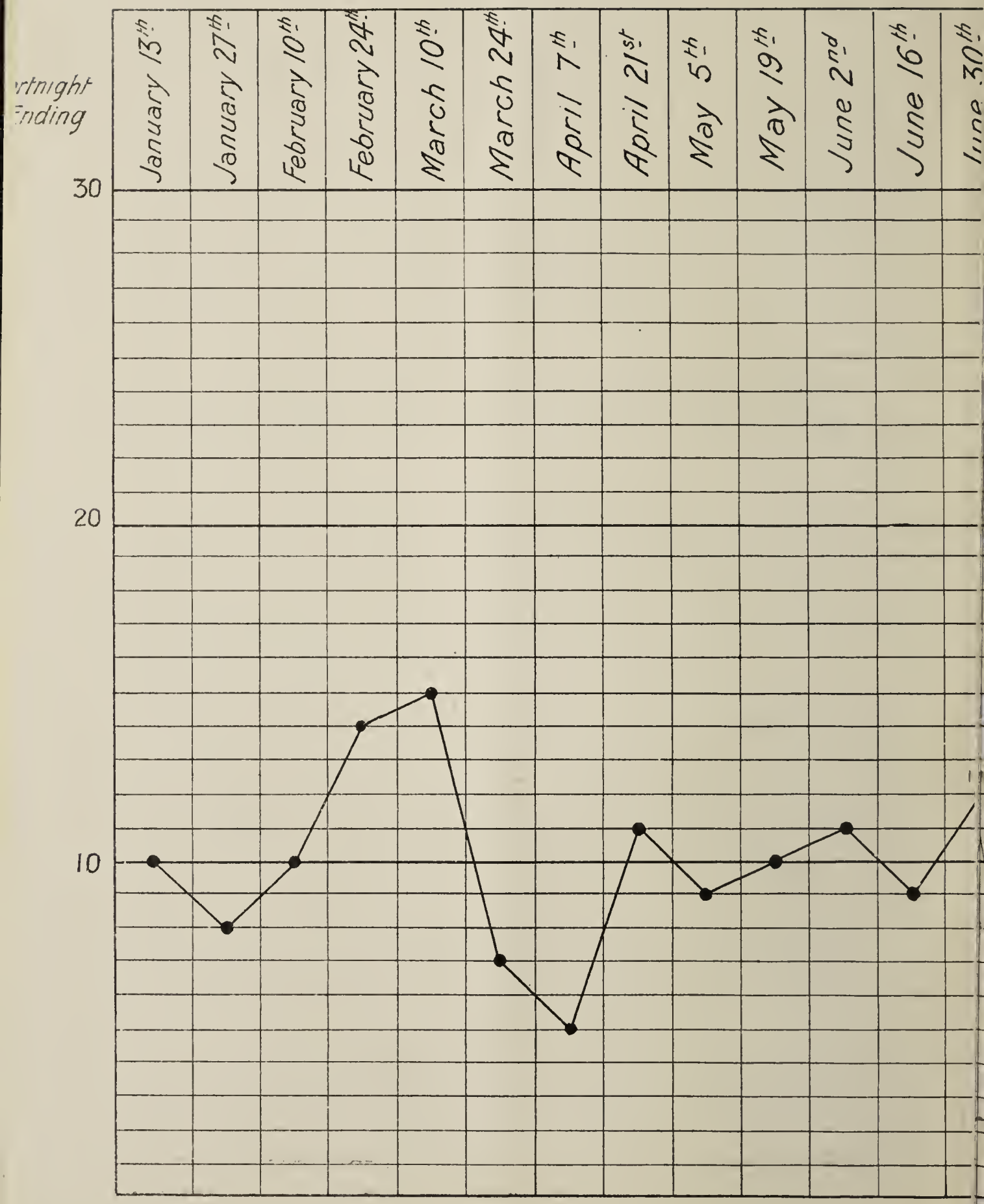
The main sewer at Scott's Bank has been diverted and reconstructed through Messrs. Thompson's Shipyard.

Sewers have been laid in Clarence Street, Broadsheath Terrace, Park Terrace, John Street, Trinity Street, Grosvenor Street, James Street, Laura Street, and Avondale Terrace. The low-lying land west of Carley Place has been drained into the public sewer in James Armitage Street.

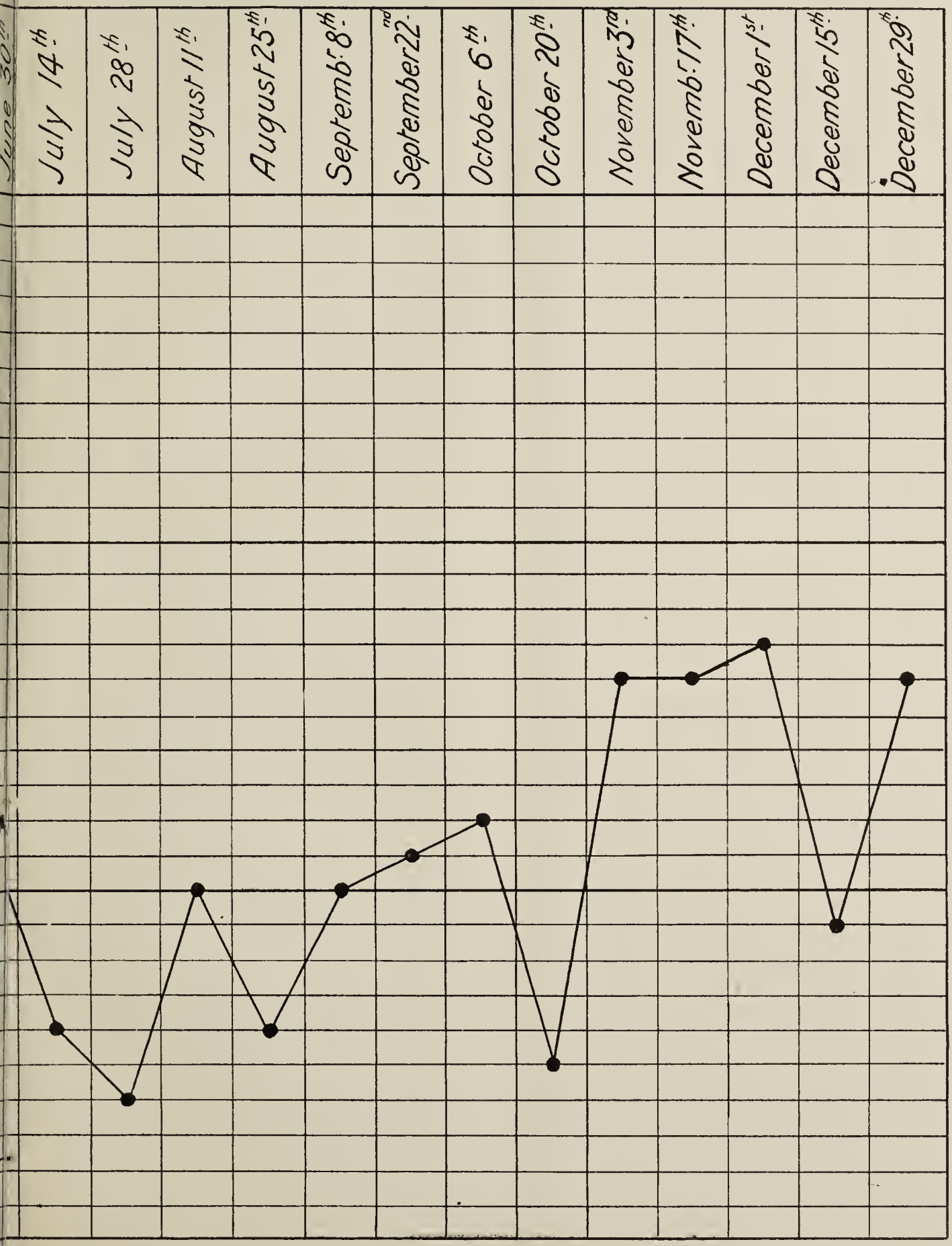
The butchers, fishmongers, and similar tradesmen are adopting the recommendation of your Council, and providing sealed sanitary bins for the reception of their trade refuse

The Well at the Cemetery Lodge has been closed owing to its liability to being contaminated by surface drainage, and a

Chart shewing the number of Deaths d



DRING EACH FORTNIGHT IN THE YEAR _ 1900.



supply of water provided from the Water Company.

By the following table some returns from the administrative County of Durham and from Southwick are compared :—

	Administrative County.	Southwick.
Birth-rate	35·0 per 1,000	41·1 per 1,000
Death-rate	18·6 ,, ,,	21·1 ,, ,,
Zymotic death-rate	1·72 ,, ,,	2·99 ,, ,, (excluding Gastro Enteritis)
,, ,,	...	3·77 ,, ,, (including Gastro Enteritis)
Infantile mortality rate	167	162 per 1,000
Smallpox	nil	nil ,, ,,
Scarlet Fever	0·20	nil ,, ,,
Diphtheria & Membranous Croup	0·10	nil ,, ,,
"Fever" (Typhus, Enteric, and Continued)	0·18	0·39 ,, ,,
Measles	0·20	1·26 ,, ,,
Whooping Cough	0·43	0·39 ,, ,,
Diarrhœa	0·59	0·94 ,, ,,
Enteritis, &c	0·59	0·79 ,, ,,
Phthisis	1·26	2·44 ,, ,,
Respiratory Diseases	3·66	3·54 ,, ,,

The following particulars regarding Notices and Nuisances were supplied by the Surveyor :—

Among the Nuisances abated under the Public Health Acts were—

Dwelling Houses—Structural Defects		12
Coal-houses		12
Wash-houses		3
Ashpit Privies replaced by Ash-closets		39
Ashpits and Privies made impervious		4
Deposits of Refuse and Manure		2
Water-closets in lieu of Ashpit-privies		5
New Urinals (licensed premises)		2
Defective Yard Paving		32
Defective Roofs and Spouts		39
House Drainage	Defective Traps	9
	Disconnection Chambers provided	5
	Other Faults	40
Defective Window Sashes		3
Water Supply		31
Encroachment on yard space		29
Poultry improperly kept		20
Smoke Nuisance		1
Other Nuisances		41

Housing of the Working Classes Act, 1890 :—

Dwellings permanently closed after informal written notice	3

Precautions against Infectious Disease—

Lots of Infectious bedding stoved or destroyed	67
Houses disinfected after infectious diseases ...	67

A number of tables accompany this report.

I have the honour to be, Gentlemen,

Your obedient Servatn,

JOHN J. CARRUTHERS,

Medical Officer of Health.

February 23rd, 1900.

Streets in which Infectious Cases occurred, and the number of cases in each street.

	Cases.		Cases.
King Street	3	High Southwick	2
Camden Street	1	Nelson Street	1
Frank Street	2	Grey Street	4
Carley Road	2	Clarendon Street	3
Edward Burdis Street	1	James Armitage Street	2
Thomas Street North	1	Collin Place	1
Stoney Lane	1	Cornhill Terrace	3
Cornhill Road	1	Crown Road	2
Amy Street	1	Alice Street	1
Morgan Street	6	Wear Street	1
Varna Street	2	The Terrace	1
Clockwell Street	2	Broadheath	1
George Street	1	Pembroke Street	2
Douglas Terrace	4	Charles Street	1
Lilburn Place	2	Grosvenor Street	3
Barnett's Buildings	1	Cemetery Lodge	1
Davison Terrace	2	Hawthorn Street	1
Abbay Street	1	Schimel Street	1
Cross Street	1	Cato Street	1
		Total	67

TABLE SHOWING CASES NOTIFIED DURING THE YEAR.

	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Scarlet Fever	2	2	4	...	...	...	2	2	6	11	7	1	37
Typhoid Fever	1	...	3	3	2	1	1	1	2	5	2	2	23
Continued Fever	...	...	...	...	...	...	...	...	...	...	...	3	3
Erysipelas	...	...	...	...	...	...	1	...	...	...	1	...	2
Diphtheria	...	...	1	1	...	...	...	...	...	...	...	...	2
Croup	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	3	2	8	4	2	1	4	3	8	16	10	6	67

TABLE I.

SOUTHWICK-ON-WEAR URBAN DISTRICT.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One Year of Age.		Deaths at all Ages. Total.		Deaths of residents registered beyond District.	Deaths at all Ages. Nett.	
		Number.	Rate.*	Number.	Rate ⅌ 1,000 Births registered.	Number.	Rate.*		Number.	Rate.*
1894	11,030	425	38·5	90	211	246	22·3	...	246	22·3
1895	11,295	448	39·6	80	178	211	18·6	...	211	18·6
1896	11,550	447	38·7	86	192	222	19·2	3	225	19.5
1897	11,830	446	37·7	76	170	225	19·01	...	225	19·01
1898	12,105	488	40·3	108	221	308	25·4	15	323	26·6
1899	12,390	512	41·3	103	201	253	20·4	4	257	20·7
Averages for years 1894–1899	11,700	461	39·4	90	195	244	20·8	3	247	21·1
1900	12,700	522	41·1	85	162	269	21·1	14	283	22·2

* Rates calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water).....844·544

Total population at all ages	10,226	At Census of 1891.
Number of inhabited houses	1,561	
Average number of persons per house	6·5	

TABLE II.

SOUTHWICK-ON-WEAR URBAN DISTRICT.

Year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages	Deaths under one year.
1894	11,030	425	246	90
1895	11,295	448	211	80
1896	11,550	447	225	86
1897	11,830	446	225	76
1898	12,105	488	323	108
1899	12,390	512	257	103
Averages of Years 1894 to 1899	11,700	461	247	90
1900	12.700	522	283	85

TABLE III.

SOUTHWICK-ON-WEAR URBAN DISTRICT.

ISOLATION HOSPITAL.

Cases of Infectious Diseases notified during the Year 1900.

Notifiable Disease.	Cases notified.					Cases removed to Hospital.
	At all Ages.	At Ages—Years.				
		1 to 5.	5 to 15	15 to 25.	25 to 65.	
Diphtheria	2	...	2	...	...	...
Erysipelas	2	...	...	...	2	...
Scarlet Fever	37	13	22	1	1	4
Enteric Fever	23	..	4	5	14	...
Continued Fever	3	...	2	1	...	...
Totals	67	13	30	7	17	4

TABLE IV.

SOUTHWICK-ON-WEAR URBAN DISTRICT.

Causes of, and Ages at Death during Year 1900.

Causes of Death.	Deaths at subjoined Ages.						
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 & under 25.	25 & under 65.	65 and upwards.
Measles	16	4	9	3	...	..	...
Whooping-cough	5	1	4	...	...	...	..
Enteric Fever	4	...	..	2	...	2	...
Other Continued Fever	1	..	...	1	...	...	...
Epidemic Influenza	4	...	...	...	...	2	2
Diarrhœa	13	4	4	1	...	1	3
Enteritis	10	4	6	...	..	...	..
Phthisis	32	5	3	2	6	16	...
Other Tubercular Diseases	10	4	5	...	1	..	...
Cancer. Malignant Disease	7	...	...	..	...	6	1
Bronchitis	20	6	3	2	...	6	3
Pneumonia	23	4	11	...	...	8	...
Pleurisy	1	...	...	...	1	...	...
Other Diseases of Respiratory Organs	4	1	1	1	...	1	...
Alcoholism Cirrhosis of Liver	2	...	...	...	...	2	...
Venereal Diseases	2	2	...	...	..	...	...
Premature Birth	14	14	...	...	..	..	...
Diseases and Accidents of Parturition	4	...	...	...	...	4	..
Heart Disease	12	...	...	3	...	7	2
Accidents	7	1	1	...	2	3	...
Marasmus and Atrophy	4	2	2	..	..	...	...
Convulsions	7	5	2	...	...	...	...
Debility	15	15	.	...	...	...	...
All other Causes	66	14	6	8	1	14	23
All causes	283	86	57	23	11	72	34